

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 99/21651

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04Q7/38 H04Q7/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 673 259 A (QUICK JR ROY F) 30 September 1997 (1997-09-30) column 3, line 59 -column 4, line 62 column 7, line 22 - line 27 column 8, line 21 -column 10, line 9 column 10, line 54 - line 67 column 11, line 60 -column 13, line 32 column 14, line 13 - line 47 column 15, line 8 -column 17, line 21 column 18, line 41 -column 22, line 20 -----	1,21,27
A	US 5 802 465 A (HAMALAINEN JARI ET AL) 1 September 1998 (1998-09-01) column 2, line 59 -column 3, line 8 column 5, line 1 - line 34 column 6, line 15 -column 9, line 13 column 11, line 9 - line 59 ----- -/-	1,21,27

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents

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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

7 January 2000

Date of mailing of the international search report

24/01/2000

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	EP 0 765 096 A (NIPPON TELEGRAPH & TELEPHONE) 26 March 1997 (1997-03-26) column 2, line 21 - line 40 column 5, line 55 -column 6, line 17 column 7, line 26 - line 39 column 15, line 33 -column 16, line 4 -----	1,27,28
A	US 5 544 196 A (TIEDEMANN JR EDWARD G ET AL) 6 August 1996 (1996-08-06) column 4, line 5 - line 44 column 5, line 14 - line 36 column 7, line 16 -column 8, line 15 -----	1

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Information on patent family members

Internal Application No

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